

ABSTRACT

The Battery Analyzer in a Battery Pack and Fixture includes a portable handheld device containing multiple battery cells in a battery pack having a microprocessor or ASIC with companion circuitry for measuring the condition of the cell battery and manage the use of the battery taking into consideration the history of the battery, the condition of the various cells within the battery, the device the battery pack is being used in, and other factors. The condition of the battery pack may be displayed with an LCD display for direct user information, or may be relayed electromagnetically back to a base station through the transmitter portion of the device, such as a walkie talkie.